

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P531266

Luminaire Tested: **GALN-SA6C-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37551 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

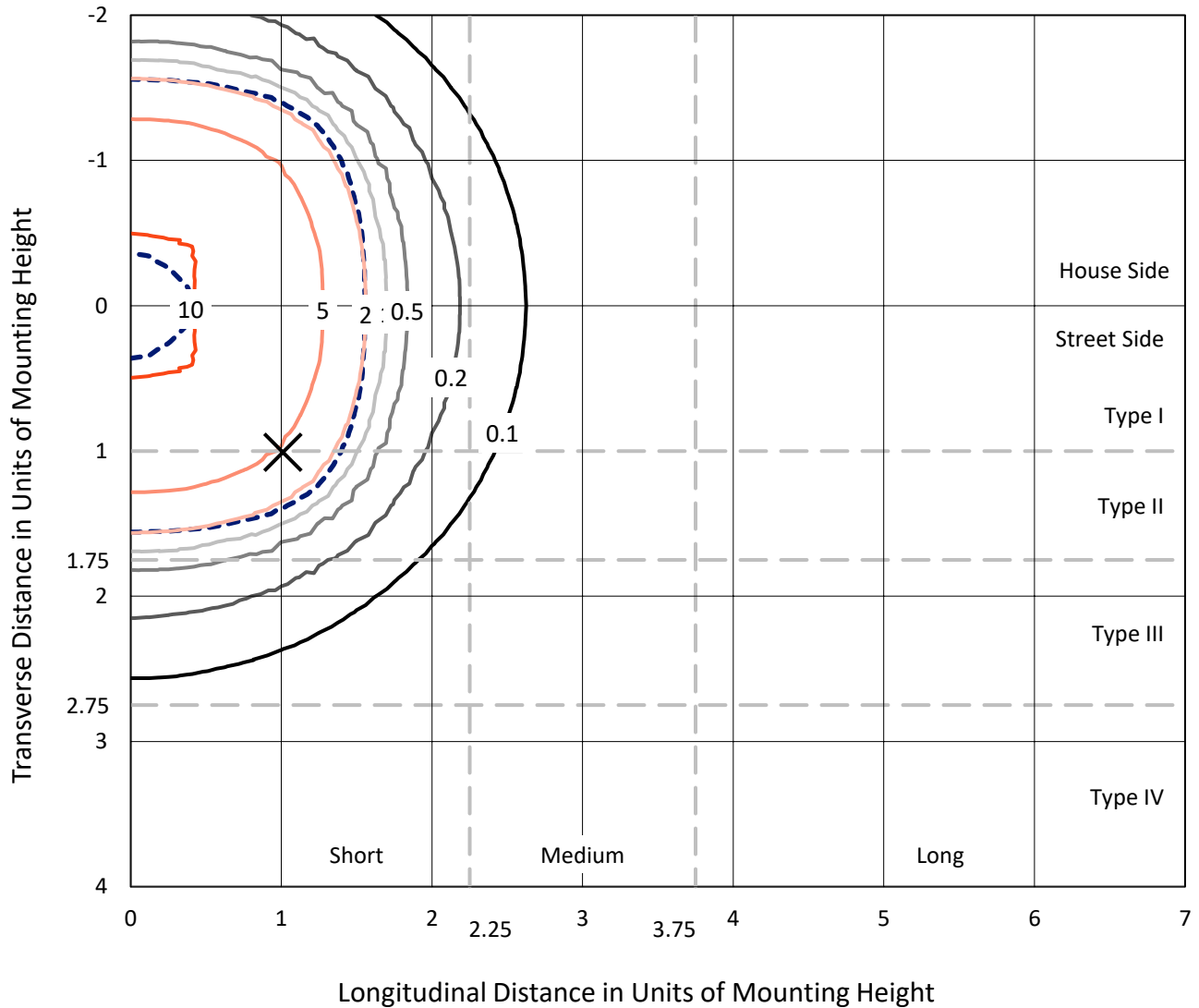
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

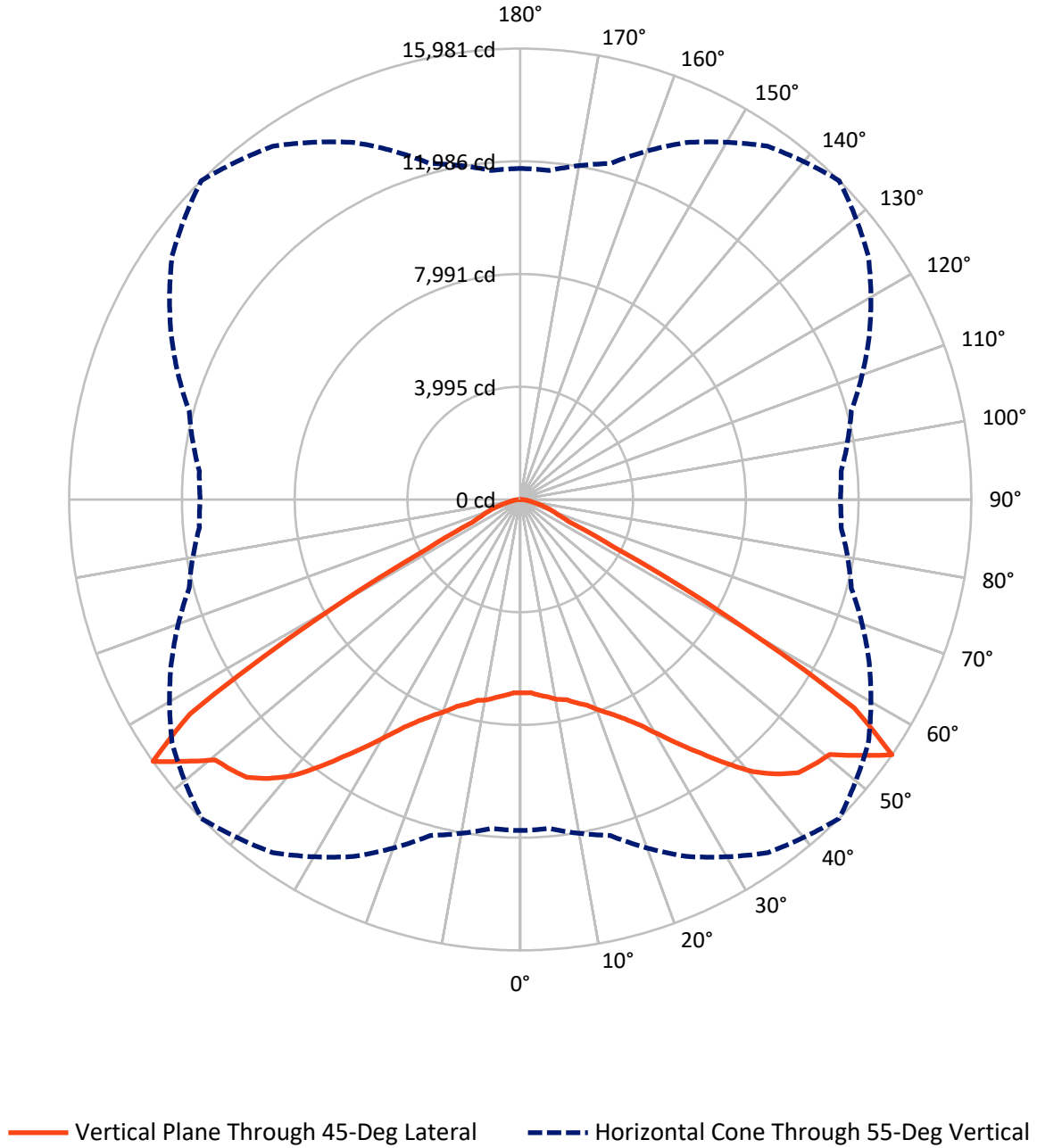
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18775.5	0.0	18775.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18775.5	0.0	18775.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37551.0	0.0	37551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.8	1.8
10°-20°	2122.2	5.7
20°-30°	3957.3	10.5
30°-40°	6625.8	17.6
40°-50°	10310.3	27.5
50°-60°	10705.3	28.5
60°-70°	2270.2	6.0
70°-80°	747.7	2.0
80°-90°	142.4	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	37551.0	100.0
0°-180°	37551.0	100.0

Coefficient of Utilization

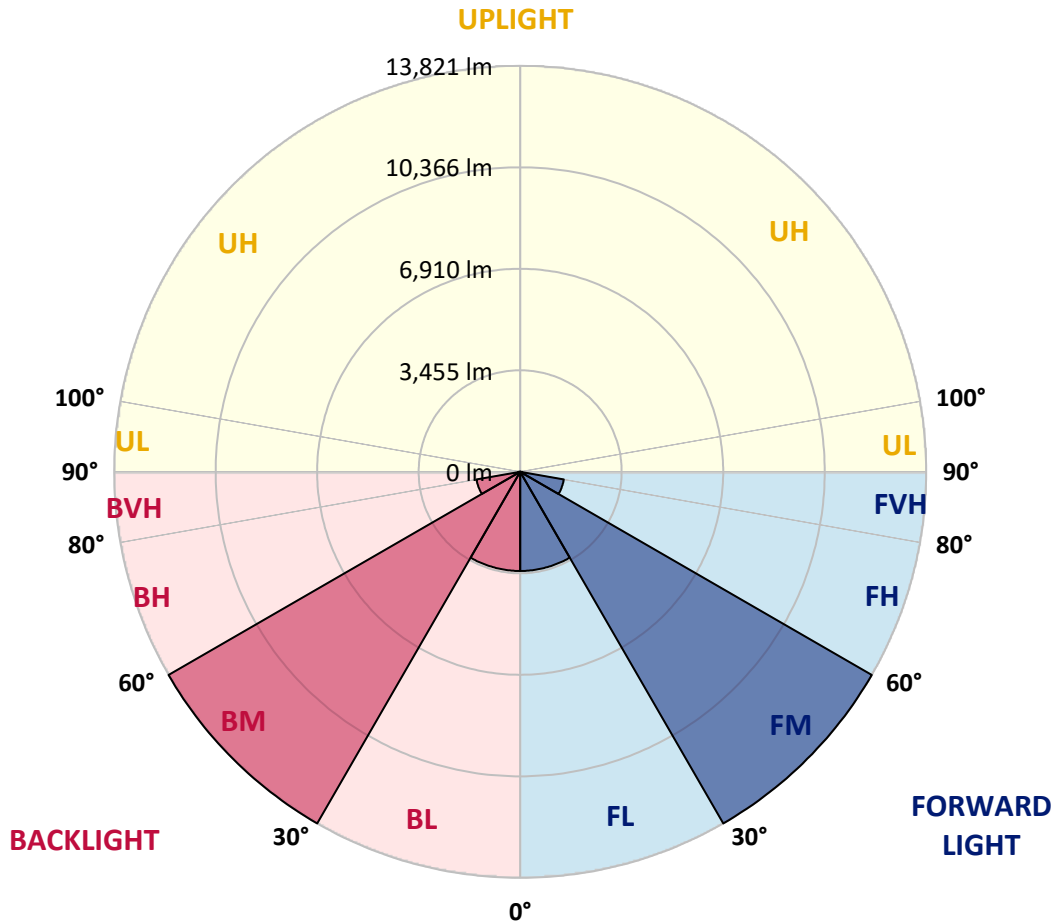


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3374.7	9.0			
FM (30°-60°)	13820.7	36.8			
FH (60°-80°)	1509.0	4.0			G1/1800
FVH (80°-90°)	71.2	0.2			G1/100
BL (0°-30°)	3374.7	9.0	B4/5000		
BM (30°-60°)	13820.7	36.8	B5		
BH (60°-80°)	1509.0	4.0	B3/2500		G1/1800
BVH (80°-90°)	71.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6856.3	6856.3	6856.3	6856.3	6856.3	6856.3	6856.3	6856.3	6856.3	6856.3	6856.3
2.5°	6937.9	6906.2	6851.7	6892.6	6924.3	6856.3	6883.5	6897.1	6888.0	6851.7	6865.3
5°	7037.8	7019.6	6974.2	7006.0	6965.2	6965.2	6937.9	6901.6	6956.1	6947.0	6969.7
7.5°	7037.8	7015.1	7105.8	7046.8	7065.0	7065.0	7019.6	6983.3	7010.5	6969.7	6947.0
10°	7178.4	7210.2	7169.3	7183.0	7173.9	7205.6	7137.6	7114.9	7092.2	7078.6	7051.4
12.5°	7346.3	7323.6	7337.2	7328.2	7359.9	7278.2	7237.4	7187.5	7228.3	7169.3	7210.2
15°	7482.4	7468.8	7482.4	7518.7	7487.0	7482.4	7409.8	7359.9	7296.4	7310.0	7246.5
17.5°	7668.5	7654.9	7659.4	7691.2	7686.6	7663.9	7609.5	7514.2	7491.5	7455.2	7414.4
20°	7945.3	7922.6	7913.5	7927.1	7949.8	7968.0	7859.1	7822.8	7745.6	7686.6	7618.6
22.5°	8181.2	8172.1	8208.4	8149.5	8199.4	8253.8	8149.5	8131.3	7940.7	7909.0	7836.4
25°	8507.9	8494.3	8471.6	8557.8	8616.8	8612.3	8512.5	8412.6	8267.4	8231.1	8231.1
27.5°	8852.8	8775.6	8893.6	8916.3	9020.7	9052.4	8966.2	8821.0	8684.9	8607.8	8625.9
30°	9283.8	9211.2	9238.5	9401.8	9538.0	9655.9	9438.1	9224.9	9034.3	8898.2	8875.5
32.5°	9714.9	9642.3	9724.0	9882.8	10155.1	10332.0	10118.8	9746.7	9524.3	9324.7	9365.5
35°	10064.3	10118.8	10250.3	10490.8	10772.2	11058.0	10717.7	10431.8	10114.2	9891.9	9923.6
37.5°	10627.0	10794.9	10899.2	11176.0	11575.3	11870.3	11516.3	11144.2	10803.9	10513.5	10413.7
40°	11362.0	11475.5	11593.5	11920.2	12392.1	12687.0	12351.2	11865.7	11529.9	11230.5	11216.8
42.5°	12169.7	12278.6	12401.2	12800.5	13081.8	13304.1	12995.6	12736.9	12364.8	12128.9	12115.3
45°	13109.0	13031.9	13168.0	13431.2	13667.1	13812.3	13612.7	13485.6	13217.9	13000.1	12977.4
47.5°	13735.2	13667.1	13912.2	14148.1	14184.4	14025.6	14066.4	14184.4	13903.1	13544.6	13658.1
50°	14098.2	14098.2	14261.5	14479.4	14411.3	14207.1	14529.3	14538.3	14257.0	13939.4	13939.4
52.5°	13467.5	13608.1	14071.0	14783.4	15010.2	15069.2	14996.6	14688.1	13953.0	13304.1	13272.4
55°	11734.1	11702.4	12328.5	13962.1	15282.5	15981.3	15055.6	13635.4	12142.5	11412.0	11339.4
57.5°	7632.2	7668.5	8603.2	10268.5	12650.7	13953.0	12392.1	10395.5	8603.2	7595.9	7691.2
60°	3434.9	3557.4	4124.6	5367.9	7414.4	8476.2	7432.5	5640.2	4328.8	3757.1	3807.0
62.5°	1973.8	1996.5	2019.2	2395.8	3158.1	3734.4	3280.7	2532.0	2232.5	2132.7	2132.7
65°	1665.3	1651.7	1656.2	1688.0	1769.6	1887.6	1837.7	1769.6	1778.7	1769.6	1756.0
67.5°	1415.7	1433.9	1420.3	1442.9	1447.5	1465.6	1497.4	1524.6	1529.2	1538.2	1529.2
70°	1161.6	1166.2	1175.2	1193.4	1197.9	1211.5	1256.9	1279.6	1293.2	1293.2	1311.4
72.5°	889.4	884.8	893.9	912.0	934.7	939.3	980.1	1011.9	1030.0	1007.3	1011.9
75°	585.3	589.9	603.5	617.1	648.9	680.6	694.2	726.0	730.5	739.6	716.9
77.5°	349.4	358.5	372.1	399.3	426.5	453.8	485.5	508.2	517.3	508.2	481.0
80°	226.9	226.9	245.0	267.7	299.5	322.2	340.3	358.5	372.1	358.5	349.4
82.5°	140.7	140.7	163.4	190.6	213.3	226.9	254.1	276.8	290.4	281.3	267.7
85°	72.6	77.1	95.3	118.0	136.1	145.2	140.7	127.1	113.4	108.9	99.8
87.5°	22.7	22.7	27.2	27.2	22.7	22.7	27.2	22.7	27.2	27.2	27.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)